

# Recombinant Full Length Human NPHS2 Protein, GST-tagged

**Cat. No.** NPHS2-6624HF    **Lot. No.** (See product label)

## SPECIFICATION

**Product Overview**      Human NPHS2 full-length ORF ( AAH29141.1, 1 a.a. - 315 a.a.) recombinant protein with GST-tag at N-terminal.

**Species**                      Human

**Source**                        In Vitro Cell Free System

**ProteinLength**              315 amino acids

**Description**                This gene encodes the glomerular protein podocin which plays a role in the regulation of glomerular permeability, and acts as a linker between the plasma membrane and the cytoskeleton. Defects in this gene are the cause of autosomal recessive steroid-resistant nephrotic syndrome (SRN). SRN is characterized by onset between three months and five years, resistance to steroid therapy and rapid progression to end-stage renal disease. An alternative splice variant has been described but its full length sequence has not been determined.

**Molecular Mass**            60.8 kDa

**AA Sequence**                MERRARSSSRESRGRGGRTPHKENKRAKAERSGGGRGRQEAGPEPSGSGRAGT  
 PGEPRAPAATVVDVDEVVRSGEEGTEVVALLESERPEEGTKSSGLGACEWLLVLIS  
 LLFIIMTFPFSIWFCVKVVQEYERVIIIFRLGHLLPGRAKGPGLFFFLPCLDTYHKVDLRL  
 QTLEIPFHEVALDSVTCIWGIKVERIEIKDVRLPAGLQHS�AVEAEAQRQAKVRMIAAE  
 AEKAASESLRMAAEILSGTPAAVQLRYLHTLQSLSTEKPSTVVLPPLPFDLLNCLSSPS  
 NRTQGSLPFPSPSKPVEPLNPKKKDSPML

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<b>Applications</b>	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
<b>Notes</b>	Best use within three months from the date of receipt of this protein.
<b>Storage</b>	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
<b>Storage Buffer</b>	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

## GENE INFORMATION

<b>Gene Name</b>	NPHS2 podocin [ Homo sapiens ]
<b>Official Symbol</b>	NPHS2
<b>Synonyms</b>	NPHS2; podocin; PDCN; SRN1;
<b>Gene ID</b>	50521